

# CORNEOPEPTYL™

## Empowering natural barrier function for future-proof skin

D0



D28



**AI-proven rejuvenating effect of up to 4 years younger**

Using the power of AI combined with a patented algorithm, **Corneopeptyl™**'s efficacy was demonstrated using real-life results from volunteers using it **once per day for 28 days**.

**Corneopeptyl™ is a new patented peptide biomimetic to the LCE6A protein, obtained by green chemistry-based synthesis.**



Scan the QR CODE to discover the rejuvenating power of Corneopeptyl™

Embracing beaut-AI and sophisticated simplicity trends while responding to high consumer demands for safeguarding the skin barrier, **Corneopeptyl™** acts on the skin's surface to strengthen its natural barrier protection. Skin is thus empowered to tackle premature damage and aging signs, for both the younger and older generations.



### BENEFITS

- Rebuilds the skin barrier in only 7 days
- Reduces the appearance of wrinkles and fine lines in only 14 days
- Improves skin tonicity, smoothness and hydration in 28 days
- Makes the skin appear 2 years younger in 28 days with just 1 application per day

### MECHANISM OF ACTION

- Strengthens the corneocyte envelope by mimicking the activity of the LCE6A protein
- Decreases *stratum corneum* permeability to improve skin barrier function

### ORIGIN

Biomimetic peptide obtained by green chemistry-based synthesis

### INCI NAME

Glycerin (and) Water (and) Hexapeptide-9

### DOSE

0.1 - 1%

### APPLICATIONS

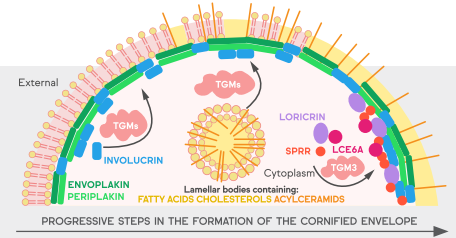
- Pre-aging
- Anti-aging / Well-aging
- Sensitive skin
- Skin barrier treatment
- Daily protection
- Men's care
- Make-up



**LUCAS MEYER**  
COSMETICS  
by Clariant

The skin is its own best ally. It acts permanently as a protective barrier against external aggressors. However, these repeated attacks can damage it, resulting in a loss of efficacy in its barrier function, leading to skin water loss (dehydration), and an increase in skin permeability. Over time, that damage contributes to premature skin aging with visible signs such as wrinkle appearance, skin roughness and a decrease in skin tonicity.

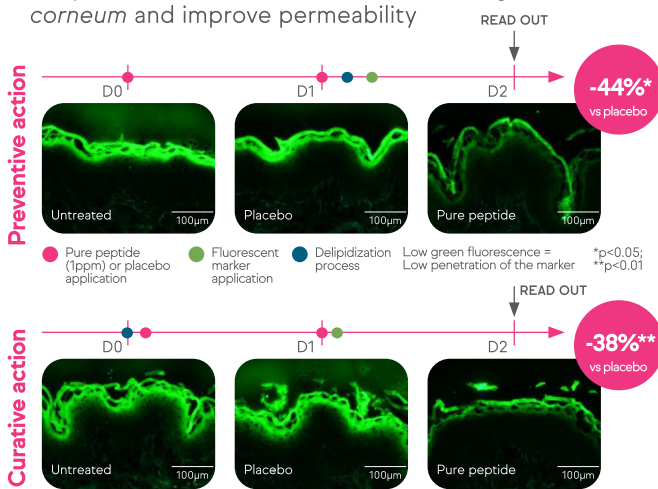
Lucas Meyer Cosmetics, in collaboration with the Infinity Institute, discovered a new protein: **LCE6A**. LCE6A, part of the "Late Cornified Envelope" protein family, is known to be essential for the mechanical resistance of the corneocytes in the *stratum corneum*. By mimicking the LCE6A protein activity, Corneopeptyl™ strengthens the corneocyte envelope resulting in a more resilient epidermal barrier with improved skin barrier function demonstrating a reduction of skin permeability and water loss. Rebuilding the skin barrier consequently future-proofs the skin by reducing the appearance of aging signs like wrinkles, decreasing skin roughness, and increasing skin tonicity.



## EX VIVO / CLINICAL STUDIES - SKIN BARRIER FUNCTION

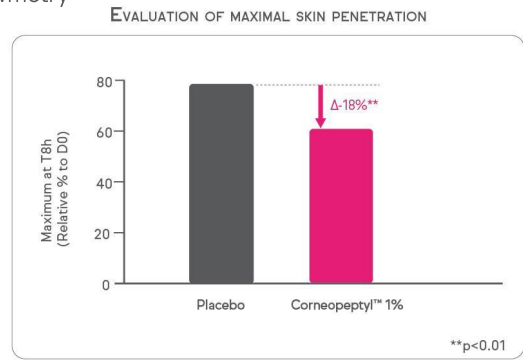
### Protocol

- Human skin explants (33 years old female donor)
- Delipidization with ether/acetone to damage *stratum corneum* and improve permeability



### Protocol

- 24 multi-ethnic male and female volunteers (30 to 55 years old) with sensitive skin
- 1x/day application of a 1% Corneopeptyl™ cream on forearm vs a placebo for 7 days
- Application of methyl nicotinate at D7
- Quantification of skin penetration at D7 using Laser Doppler Flowmetry

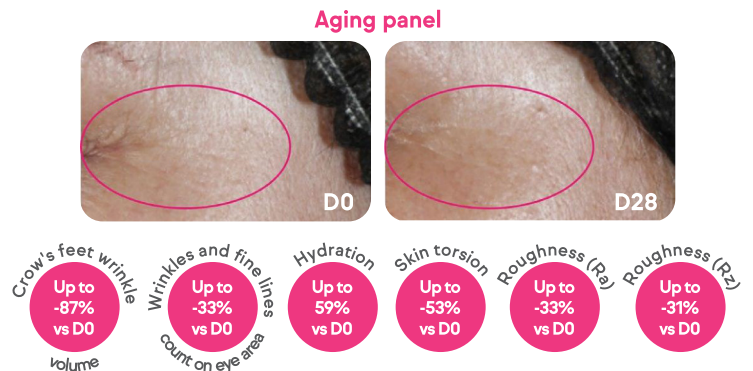
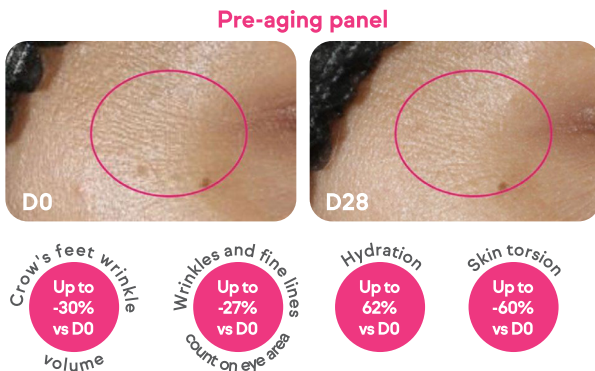


Reduction of skin penetration attesting to stronger barrier function

## CLINICAL STUDIES - SKIN AGING

### Protocol

- 2 groups of male and female multi-ethnic volunteers with sensitive skin: 10 pre-aging (30 to 40 years old) & 12 aging (41 to 55 years old) panelists
- 1x/day application of a 1% Corneopeptyl™ cream vs a placebo (split face) for 28 days
- Evaluation of skin hydration by Corneometer®; skin torsion by Frictiometer®; count of wrinkles & fine lines of eye area, crow's feet wrinkle volume and skin roughness by AEVA



Reduction of the appearance of wrinkles and fine lines, improvement of skin tonicity, smoothness and hydration for timeless beauty

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